



HIGH PERFORMANCE CAR AUDIO

# Owners Manual: (revised)

First Generation Amplifiers, 86' to 91' including: 220gx, 240gx, 280gx, 2150gx, 4100gx, 2350gx, GS-100, GS-1000, 225HCCA, 250HCCA, 425HCCA



### Wiring Codes for gx ,GS, HCCA:

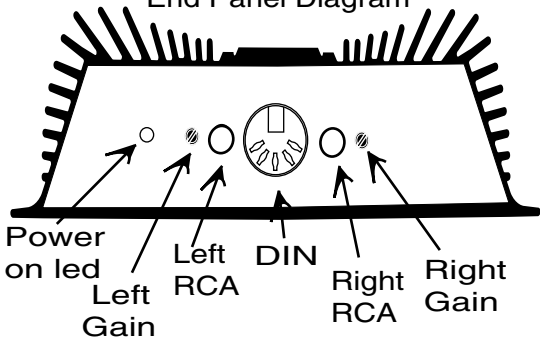
- Orange = Right Positive
- Black/Orange = Right Negative
- Yellow = Left Positive
- Black/Yellow = Left Negative
- Blue = Remote Turn On

For 4-Channel Amps, use above for front

### Rear Channel Codes are:

- Green = Rear Left Positive
- Black/Green = Rear Left Negative
- White = Rear Right Positive
- Black/White = Rear Right Negative

End Panel Diagram



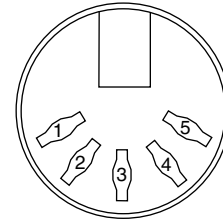
Note: 4 Channel Amps will differ from the picture, 4 channel amps only have DIN inputs.

### Bridging:

The gx, GS, and HCCA amps will not bridge with out the 400BDG bridging module. When using the 400BDG, use the Orange for Positive and Yellow for Negative. 4-channel amps, use the Green for positive and White for negative. (The 400BDG in no longer available from ORION.)

### The DIN input:

The din input can be used to power Orion crossovers and equalizers with the same style DIN plug.



### Din Plug Diagram.

1. -15 Volts
2. Left Input
3. Ground
4. Right Input
5. +15 Volts

Amp Model	4ohm Power	Lowest Recommend Impedance in Stereo	Fuse Size	S/N	THD	Frequency Response	Accepts 400BDG	Dimensions L x W x H
220gx	20 x 2	4ohm	10 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	4" x 8.5" x 2.25"
240gx	40 x 2	4ohm	20 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	7.5" x 8.5" x 2.25"
280gx	80 x 2	4ohm	30 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	11" x 8.5" x 2.25"
2150gx	150 x 2	4ohm	50 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	17" x 8.5" x 2.25"
4100gx	100 x 4	4ohm	70 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	22" x 8.5" x 2.25"
2350gx	350 x 2	4ohm	60 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	No	22" x 8.5" x 2.25"
GS-100	50 x 2	4ohm	20 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	7.5" x 8.5" x 2.25"
GS-1000	100 x 2	4ohm	30 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	11" x 8.5" x 2.25"
225HCCA	25 x 2	0.5ohm	35 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	11" x 8.5" x 2.25"
425HCCA	25 x 4	0.5ohm	70 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	22" x 8.5" x 2.25"
250HCCA	50 x 2	1ohm	50 amp	110dB	0.03%	6hz to 30Khz +/- 0.5dB	Yes	17" x 8.5" x 2.25"

For questions on this or any other Orion Products, call Technical Support at 1-480-705-5600.